

Properties of 3-D objects

CAPS Statement

Space and Shape

Properties of 3-D objects

Name and know :

rectangular prisms ;cubes; tetrahedrons and other pyramids.

Similarities and differences between tetrahedrons and other pyramids.

Note

Remember:

We distinguish between a tetrahedron and other pyramids by looking at the shapes of their bases.

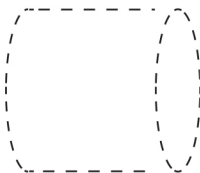
Objects with a curved surface only are spheres

Objects with flat and curved surfaces are cones and cylinders.

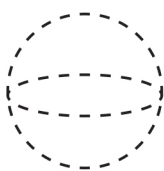
Objects with only flat surfaces are prisms and pyramids



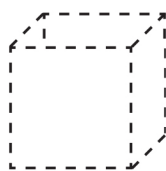
Cylinders



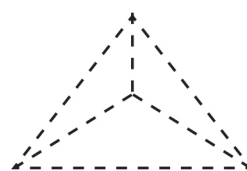
Cone



Sphere



Cube



Tetrahedron or a triangular pyramid



What is a prism? A prism is a solid object with:

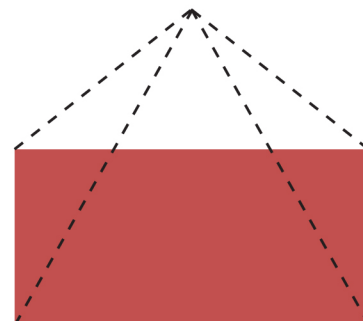
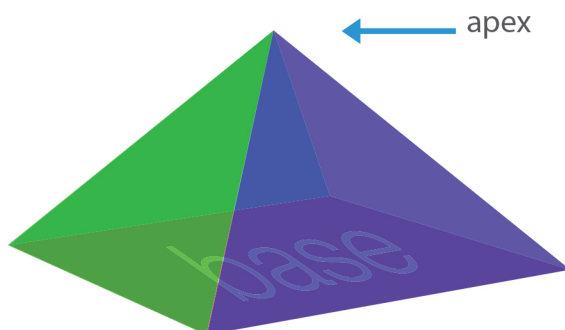
- Identical ends
- Flat sides



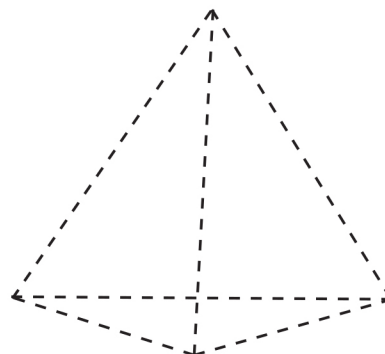
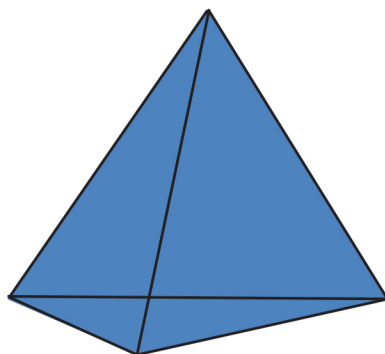
A rectangular prism

What is a pyramid? A pyramid is a solid object where:

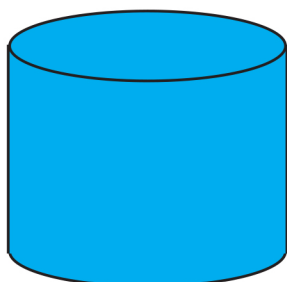
- The base is a polygon (a straight-sided flat shape)
- The sides are triangles that meet at the top



But a tetrahedron is a 3-d shape with 4 faces that are triangles



A cylinder is a 3-d object that has two circular bases connected by a curved face.



Activity 1

Look at these pictures and answer the following questions.

①



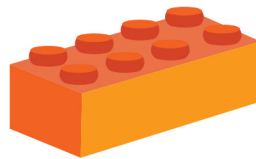
②



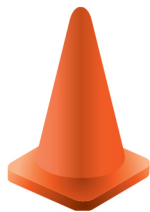
④



③



⑤



⑥



- Which object is shaped like a rectangular prism? _____.
- Which object is shaped like a cone? _____.
- Which object is shaped like a triangular pyramid? _____.
- What base do you think the picture in number 6 has? _____.
- Which object do you think would slide down a slope? _____.
- Which picture looks like a tube? _____.
- Which picture represents a cylinder? _____.

Teacher Tip

Try to link the 3-D objects in class with everyday objects to broaden learner's knowledge.

